

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 04-144073

(43)Date of publication of application : 18.05.1992

(51)Int.Cl.

H01M 10/12

H01M 10/34

(21)Application number : 02-266066

(71)Applicant : SHIN KOBE ELECTRIC MACH CO
LTD
NIPPON TELEGR & TELEPH CORP
<NTT>

(22)Date of filing : 03.10.1990

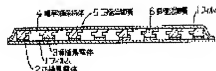
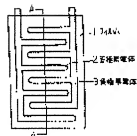
(72)Inventor : HIRONAKA KENSUKE
SAITO SHINJI
MATSUBAYASHI SATOSHI
KOMAKI AKIO
AKUTO TAKAHARU
OGATA TSUTOMU

(54) SEALED TYPE STORAGE BATTERY

(57)Abstract:

PURPOSE: To construct a thin type sealed storage battery whose high rate discharge capacity is free from deterioration by installing a pos. and a neg. electrode adjoinly on one plane, with an electrolyte retainer interposed, and combining the active substance and electrolyte retainer with projections/recesses provided in the thickness direction one another.

CONSTITUTION: A comb-shaped lead foil is adhered to a film 1 of polypropylene using epoxy type adhesive, and arrangement is made on one plane as a pos. electrode electricity collector and a neg. electrode electricity collector 3. After an electrolyte retainer 4 is provided by means of printing between the pos. and neg. electricity collectors 2, 3, followed by drying, a pos. electrode active substance 5 and a neg. electrode active substance 6 are printed on the electricity collectors 2, 3 and dried. The electrolyte retainer 4 is dislocated to a certain degree horizontally from the previous printing, and printed and dried. Further the pos. and neg. active substances 5, 6 are a



little dislocated in the same manner, and printed and dried. Repetitions of procedures in this manner allow combining of the active substances 5, 6 and electrolyte retainer 4 with projections/recesses provided in the thickness direction with one another.

